

## ANALYTICA CHIMICA ACTA, VOL. 223 (1989)

## AUTHOR INDEX

- Aaron, J.J., see Delaye, F. 395
- Agraz, A., see Padrón, G. 361
- Allmaier, G.M.  
Importance of bulk and surface excess concentration in fast atom bombardment mass spectrometry of small peptides 349
- Aures, J., see Wienke, D. 247
- Badocchi, S., see Pradella, M. 293
- Baeza Baeza, J.J.  
— Ramis Ramos, G. and Mongay Fernandez, C.  
Comparative study of several programs used in the potentiometric evaluation of equilibrium constants including an error sensitivity analysis 419
- Bengraïne, K., see Bermond, A. 283
- Bermond, A.  
—, Bengraïne, K. and Ducauze, C.J.  
Etude des interférences spectrophotométriques par utilisation d'une matrice d'expériences factorielle 283
- Berridge, J.C.  
Chemometrics in pharmaceutical analysis 149
- Besada, V., see Padrón, G. 361
- Biasoli, S., see Pradella, M. 269
- Bönicke, I.A., see Howard, A.G. 411
- Bos, M.  
—, van Marion, P. and van der Linden, W.E.  
A multivariate calibration procedure for the tensametric determination of detergents 387
- Brekke, T.  
—, Kvalheim, O.M. and Sletten, E.  
Prediction of physical properties of hydrocarbon mixtures by partial-least-squares calibration of carbon-13 nuclear magnetic resonance data 123
- Bridge, T.P.  
—, Williams, M.H. and Fell, A.F.  
Comparative evaluation of methods for assessing peak homogeneity in liquid isocratic reversed-phase chromatography 175
- Bugner, E., see Feinberg, M. 223
- Burlina, A., see Pradella, M. 293
- Byhan, H.-G., see Wienke, D. 247
- Carmo Freitas, M.  
— and Martinho, E.  
Accuracy and precision in instrumental neutron activation analysis of reference materials and lake sediments 287
- Casassas, E., see Tauler, P. 257
- Cave, M.R.  
— and Forshaw, J.A.  
Simplex optimization of response-time-limited systems. A study with a spectrophotometric determination of aluminium and mathematical test functions 403
- Chalom, J., see Tod, M. 309
- Christie, O.H.J.  
Correlation and compatibility in multivariate data analysis 45
- Covington, A.K., see Davison, W. 441
- Danzer, K., see Wienke, D. 247
- Davison, W.  
—, Covington, A.K. and Whalley, P.D.  
Conventional residual liquid junction potentials in dilute solutions 441
- Delaye, F.  
—, Gaye, M.D. and Aaron, J.J.  
Evaluation of computer-assisted second-derivative ultraviolet spectrophotometry for analysis of binary mixtures 395
- Derde, M.P.  
— and Massart, D.L.  
Evaluation of the required sample size in some supervised pattern recognition techniques 19
- De Ruig, W.G.  
—, Dijkstra, G. and Stephany, R.W.  
Chemometric criteria for assessing the certainty of qualitative analytical methods 227
- Dijkstra, G., see De Ruig, W.G. 277
- Dorizzi, R., see Pradella, M. 269, 293
- Ducauze, C.J., see Bermond, A. 283

- Eibelhuber, A., see Puchwein, G. 95
- Esteve Romero, J.S., see Ramis Ramos, G. 327
- Farinotti, R., see Tod, M. 309
- Feinberg, M.  
— and Bugner, E.  
Chemometrics and food chemistry: data validation 223
- Fell, A.F., see Bridge, T.P. 175
- Forshaw, J.A., see Cave, M.R. 403
- Fujiwake, S., see Imai, K. 299
- García Alvarez-Coque, M.C., see Ramis Ramos, G. 327
- Gaye, M.D., see Delaye, F. 395
- Giavarina, D., see Pradella, M. 269
- Gitter, M., see Wienke, D. 247
- Hasty, R.A., see van Niekerk, P.J. 237
- Héberger, K.  
Empirical correlations between gas-chromatographic retention data and physical or topological properties of solute molecules 161
- Herrera, L., see Padrón, G. 361
- Howard, A.G.  
— and Bönicke, I.A.  
An optimization function and its application to the multidimensional thin-layer chromatography of protein amino acids 411
- Imai, K.  
—, Tsukamoto, Y., Uzu, S., Kanda, S., Toyo'oka, T., Tachiiri, Y. and Fujiwake, S.  
Dynamic analytical chemistry: a trial study of the interaction of fluorogenic reagents with living Chinese hamster ovary cells 299
- Ishida, J.  
—, Yamaguchi, M., Iwata, T. and Nakamura, M.  
3,4-Dihydro-6,7-dimethoxy-4-methyl-3-oxoquinoxaline-2-carbonyl chloride as a sensitive fluorescence derivatization reagent for amines in liquid chromatography 319
- Ishizuki, T., see Ohtsuka, C. 339
- Iwata, T., see Ishida, J. 319
- Jaber, A.M.Y.  
Potentiometric behaviour of lanthanum polyalkoxylate complexes in PVC membrane electrodes: effect of plasticizers and applications 449
- Johansson, P.-A.  
— and Stefansson, U.  
Volume increase of piston burettes used for sodium hydroxide titrants 461
- Kanda, S., see Imai, K. 299
- Kateman, G., see Klaessens, J. 205
- Klaessens, J.  
—, Vandeginste, B. and Kateman, G.  
Towards computer-supported management of analytical laboratories 205
- Kvalheim, O.M., see Brekke, T. 123
- Kvalheim, O.M.  
Model building in chemistry, a unified approach 53
- Lavagnini, I.  
—, Pastore, P. and Magno, F.  
Comparison of the simplex, Marquardt, and extended and iterated extended Kalman filter procedures in the estimation of parameters from voltammetric curves 193
- Luinge, H.-J.  
— and van der Maas, J.H.  
Artificial intelligence for the interpretation of combined spectral data. Design and development of a spectrum interpreter 135
- Magno, F., see Lavagnini, I. 193
- Mahuzier, G., see Tod, M. 309
- Mark, H.  
Chemometrics in near-infrared spectroscopy 75
- Martinho, E., see Carmo Freitas, M. 287
- Massart, D.L., see Derde, M.P. 19
- Massart, D.L., see Yuzhu, H. 1
- Mongay Fernandez, C., see Baeza Baeza, J.J. 419
- Mulholland, M.  
—, van Leeuwen, J.A. and Vandeginste, B.  
An expert system for designing an intelligent spreadsheet for evaluation of precision of liquid chromatographic methods 183

- Münch, U., see Wienke, D. 247  
 Musch, G., see Yuzhu, H. 1
- Nakagawa, G., see Ohtsuka, C. 339  
 Nakamura, M., see Ishida, J. 319  
 Nyholm, L.  
 — and Wikmark, G.  
 Precise polarographic determination of the stability constants of cadmium and lead with oxalate and sulphate 429
- Ohtsuka, C.  
 —, Wada, H., Ishizuki, T. and Nakagawa, G.  
 Reversed-phase ion-pair partition liquid chromatography of chelates with 2-(3,5-dibromo-2-pyridylazo)-5-[*N*-ethyl-*N*-(3-sulphopropyl)amino] phenol and analogues 339
- Padrón, G.  
 —, Besada, V., Agraz, A., Quiñones, Y., Herrera, L., Shimonishi, Y. and Takao, T.  
 Mass spectrometric analysis of recombinant human  $\alpha$ -2 interferon 361
- Pastore, P., see Lavagnini, I. 193  
 Peeters, A., see Yuzhu, H. 1  
 Phol, H.-J., see Wienke, D. 247  
 Poulou, M., see Tod, M. 309  
 Pradella, M.  
 —, Burlina, A., Badocchi, S., Dorizzi, R. and Rigolin, F.  
 Double-reciprocal plot for enzyme-multiplied immunoassays 293
- Pradella, M.  
 —, Dorizzi, R., Giavarina, D., Rigolin, F. and Biassoli, S.  
 Expert system for interpretation of water and electrolyte laboratory data 269
- Prevot, M., see Tod, M. 309  
 Puchwein, G.  
 — and Eibelhuber, A.  
 Outlier detection in routine analysis of agricultural grain products by near-infrared spectrometry 95
- Quiñones, Y., see Padrón, G. 361
- Ramis Ramos, G., see Baeza Baeza, J.J. 419  
 Ramis Ramos, G.  
 —, Esteve Romero, J.S. and García Al-  
 varez-Coque, M.C.  
 Colorimetric determination of arylamines and sulphonamides by diazotization and coupling in a micellar solution 327
- Rigolin, F., see Pradella, M. 269, 293
- Schulten, H.-R., see Simmleit, N. 371  
 Scott, D.R.  
 Classification and identification of mass spectra of toxic compounds with an inductive rule-building expert system and information theory 105
- Shimonishi, Y., see Padrón, G. 361  
 Simmleit, N.  
 — and Schulten, H.-R.  
 Thermal degradation of spruce needles studied by time-resolved mass spectrometry and multivariate data analysis 371
- Sletten, E., see Brekke, T. 123  
 Stefansson, U., see Johansson, P.-A. 461  
 Stephany, R.W., see De Ruig, W.G. 277
- Tachiiri, Y., see Imai, K. 299  
 Takao, T., see Padrón, G. 361  
 Tauler, P.  
 — and Casasas, E.  
 Application of principal component analysis to the study of multiple equilibria systems. Study of copper(II)/salicylate/mono-, di- and triethanolamine systems 257
- Tod, M.  
 —, Prevot, M., Poulou, M., Farinotti, R., Chalom, J. and Mahuzier, G.  
 Chromatographic and luminescence properties of a 7-aminocoumarin derivative with peroxy-oxalate chemiexcitation 309
- Toyo'oka, T., see Imai, K. 299  
 Tsukamoto, Y., see Imai, K. 299
- Uzu, S., see Imai, K. 299
- Vandeginste, B., see Klaessens, J. 205  
 Vandeginste, B., see Mulholland, M. 183  
 Van der Linden, W.E., see Bos, M. 387  
 Van der Maas, J.H., see Luinge, H.-J. 135  
 Van Leeuwen, J.A., see Mulholland, M. 183  
 Van Marion, P., see Bos, M. 387  
 Van Niekerk, P.J.  
 — and Hasty, R.A.  
 Optimization of a technique for the esti-

- mation of the composition of edible oil blends 237
- Wada, H., see Ohtsuka, C. 339
- Whalley, P.D., see Davison, W. 441
- Wienke, D.
- , Danzer, K., Gitter, M., Aures, J., Münch, U., Byhan, H.-G. and Phol, H.-J. The integrated multivariate approach in materials science 247
- Wikmark, G., see Nyholm, L. 429
- Williams, M.H., see Bridge, T.P. 175
- Yamaguchi, M., see Ishida, J. 319
- Yuzhu, H.
- Peeters, A., Musch, G. and Massart, D.L. Integration of optimization methodology with expert systems 1

